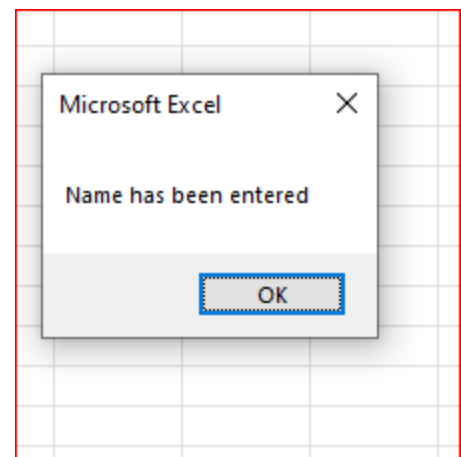
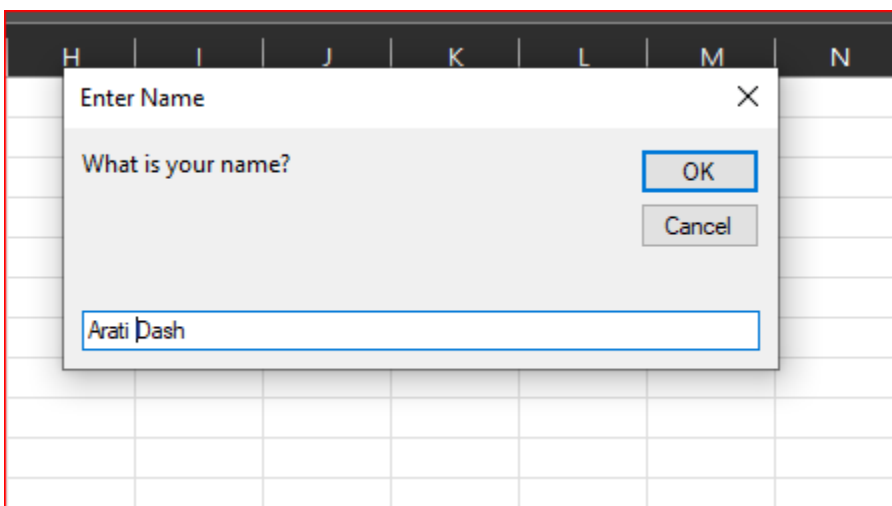
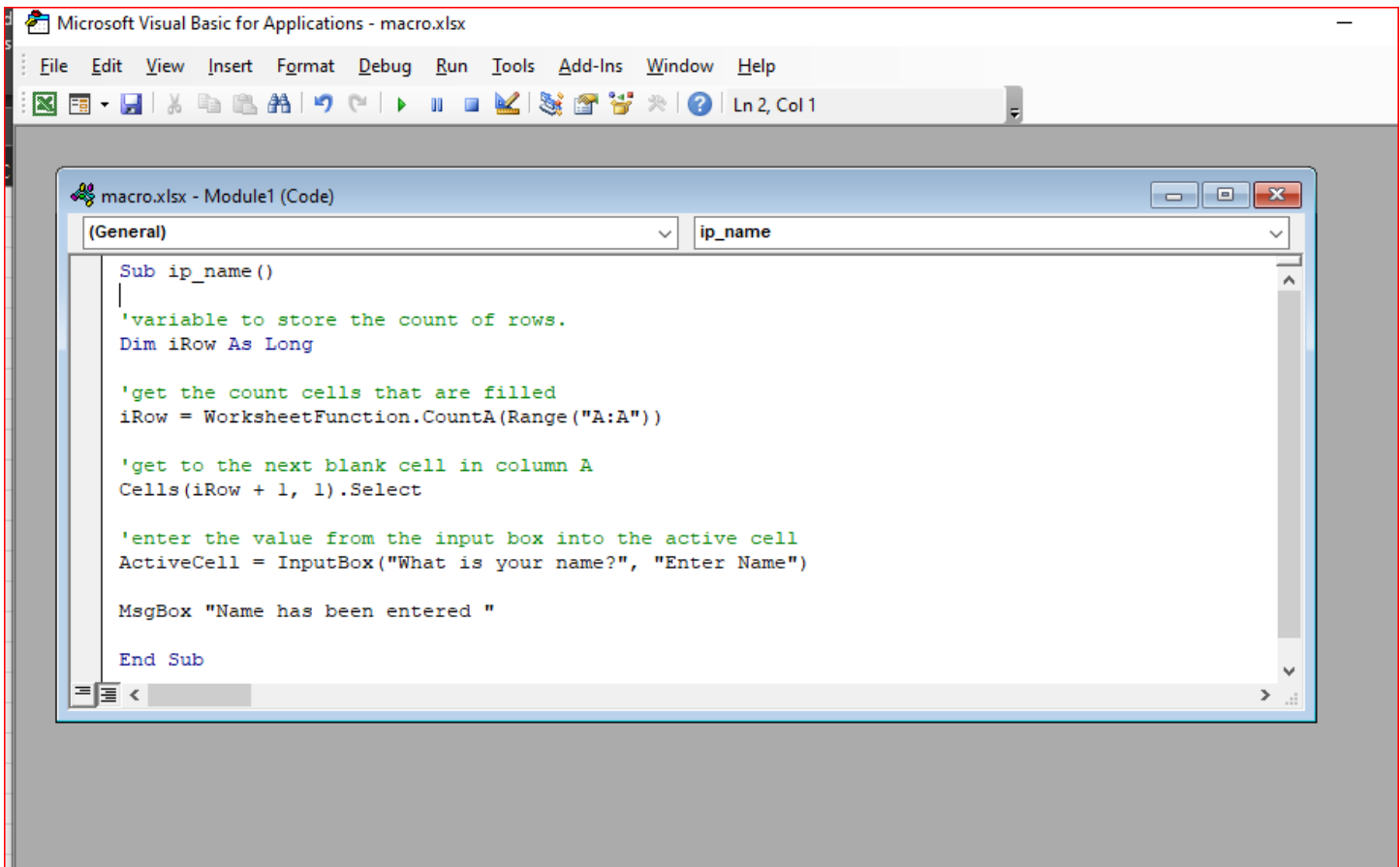
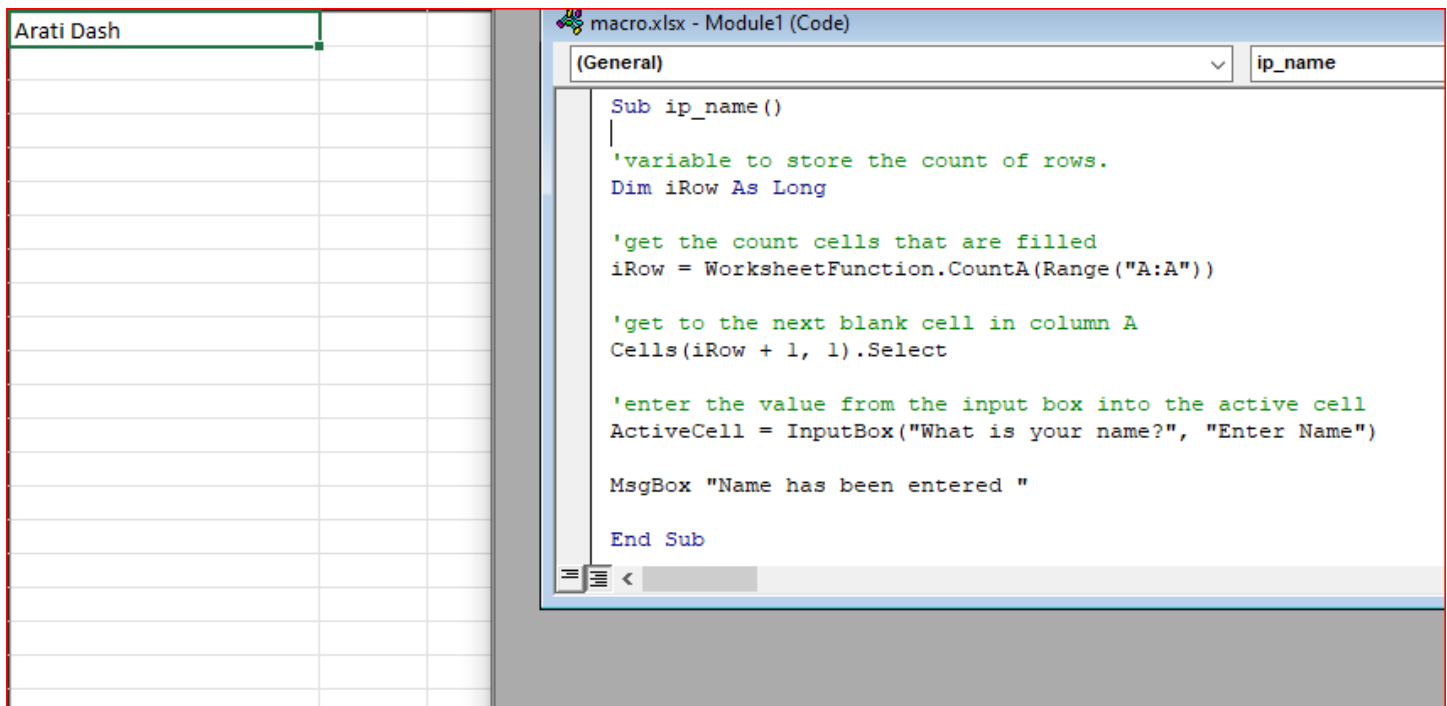


# Excel Assignment – 21

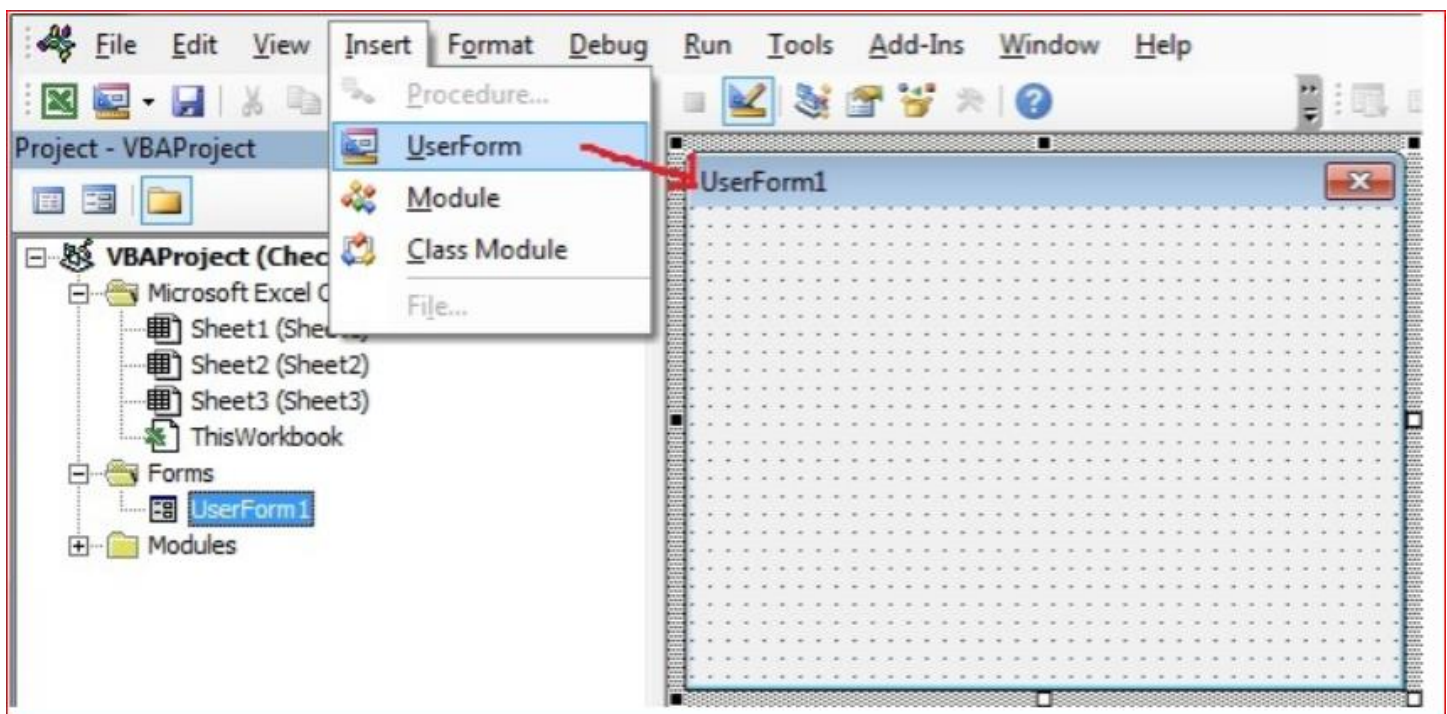
1. Write a VBA code to enter your name in A1 Cell using Input Box and once you enter the name display a message box that says the name has been entered.



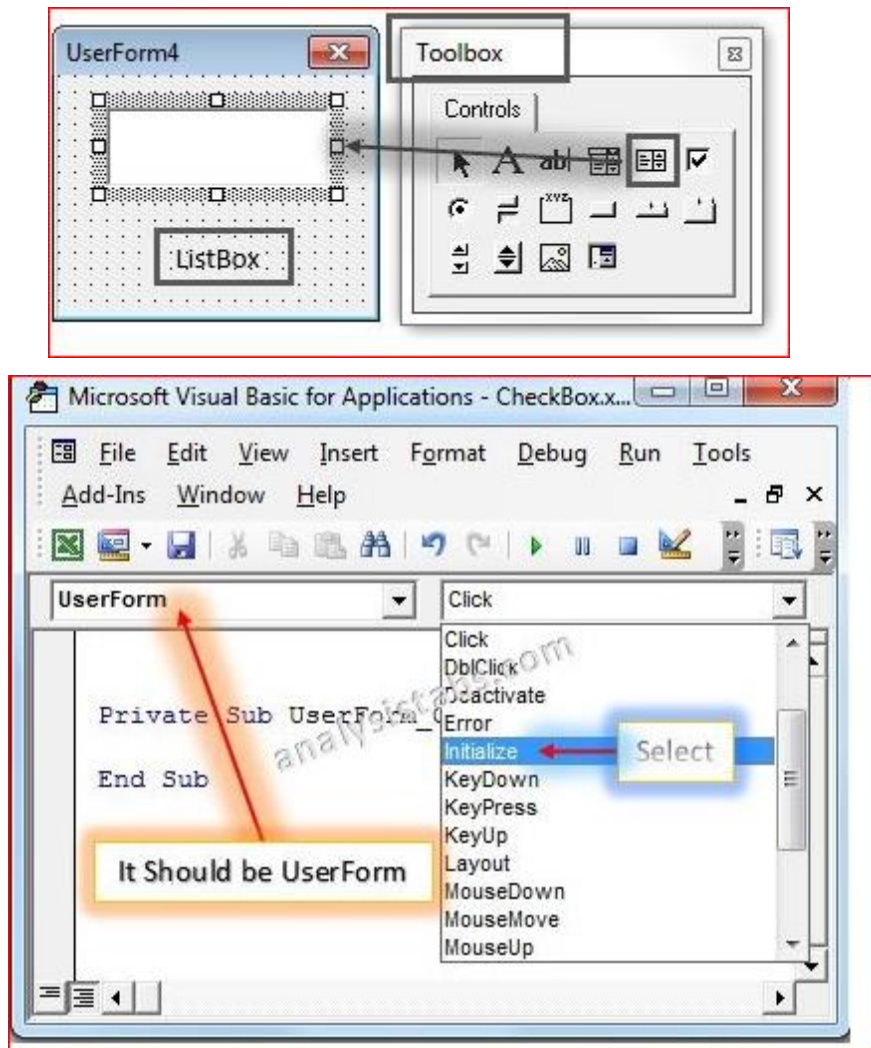


## 2. What are User forms? Why are they used? How to fill a list box using for loop.

- A User Form object is a window or dialog box that makes up part of an application's user interface. The User Forms collection is a collection whose elements represent each loaded User Form in an application. The User Forms collection has a Count property, an Item method, and an Add method.



- List Box is one of the User Form controls. We can select and drag List Box on the User Form. This control is used to display a list of items to a list. This is used on the User Form.
- Drag Listbox\_Control on the User form from the Toolbox. Double Click on the User Form and select the User form event.



### 3. What is an array? Write a VBA code to enter students and their marks from the below table.

- An array is a single variable with many compartments to store values, while a typical variable has only one storage compartment in which it can store only one value. Refer to the array when wants to refer to all the values it holds or can refer to its individual elements.

File Home New tab Insert Draw Page Layout Formulas Data Review View Automate Developer Help

Default

Keep Exit New Options

Sheet View

G20 X ✓ fx

	A	B	C
1			
2		Student	Mark
3		john	89
4		anna	67
5		violet	77
6		joe	42
7		sophia	70
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Microsoft Visual Basic for Applications - macro.xlsx

File Edit View Insert Format Debug Run Tools Add-Ins Window Help

Ln 41, Col 25

macro.xlsx - Module1 (Code)

(General) std\_mrk

```
Public Sub std_mrk()  
  
    ' Get the worksheet called "Marks"  
    Dim sh As Worksheet  
    Set sh = ThisWorkbook.Worksheets("Marks")  
  
    ' Declare variable for each student  
    Dim Student1 As Long  
    Dim Student2 As Long  
    Dim Student3 As Long  
    Dim Student4 As Long  
    Dim Student5 As Long  
  
    ' Read student marks from cell  
    Student1 = sh.Range("C" & 3).Value  
    Student2 = sh.Range("C" & 4).Value  
    Student3 = sh.Range("C" & 5).Value  
    Student4 = sh.Range("C" & 6).Value  
    Student5 = sh.Range("C" & 7).Value  
  
    ' Print student marks  
    Debug.Print "Students Marks"  
    Debug.Print Student1  
    Debug.Print Student2  
    Debug.Print Student3  
    Debug.Print Student4  
    Debug.Print Student5  
  
End Sub
```

Sheet View

G20 X ✓ fx

	A	B	C
1			
2		Student	Mark
3		john	89
4		anna	67
5		violet	77
6		joe	42
7		sophia	70
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
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21			
22			
23			
24			
25			

macro.xlsx - Module1 (Code)

(General)

```
Public Sub std_mrk()  
  
    ' Get the worksheet called "Marks"  
    Dim sh As Worksheet  
    Set sh = ThisWorkbook.Worksheets("Marks")  
  
    ' Declare variable for each student
```

Immediate

```
Students Marks  
89  
67  
77  
42  
70  
Students Marks  
89  
67  
77  
42  
70  
Students Marks  
89  
67  
77  
42  
70  
Students Marks  
89  
67  
77  
42  
70
```

#### **4. Write step by step procedure to protect your workbook using a password.**

- To prevent others from accessing data in your Excel files, protect the Excel file with a password.
- Select File → Info.
- Select the Protect Workbook box and choose Encrypt with Password.
- Enter a password in the Password box, and then select OK.
- Confirm the password in the Re-enter Password box, and then select OK.